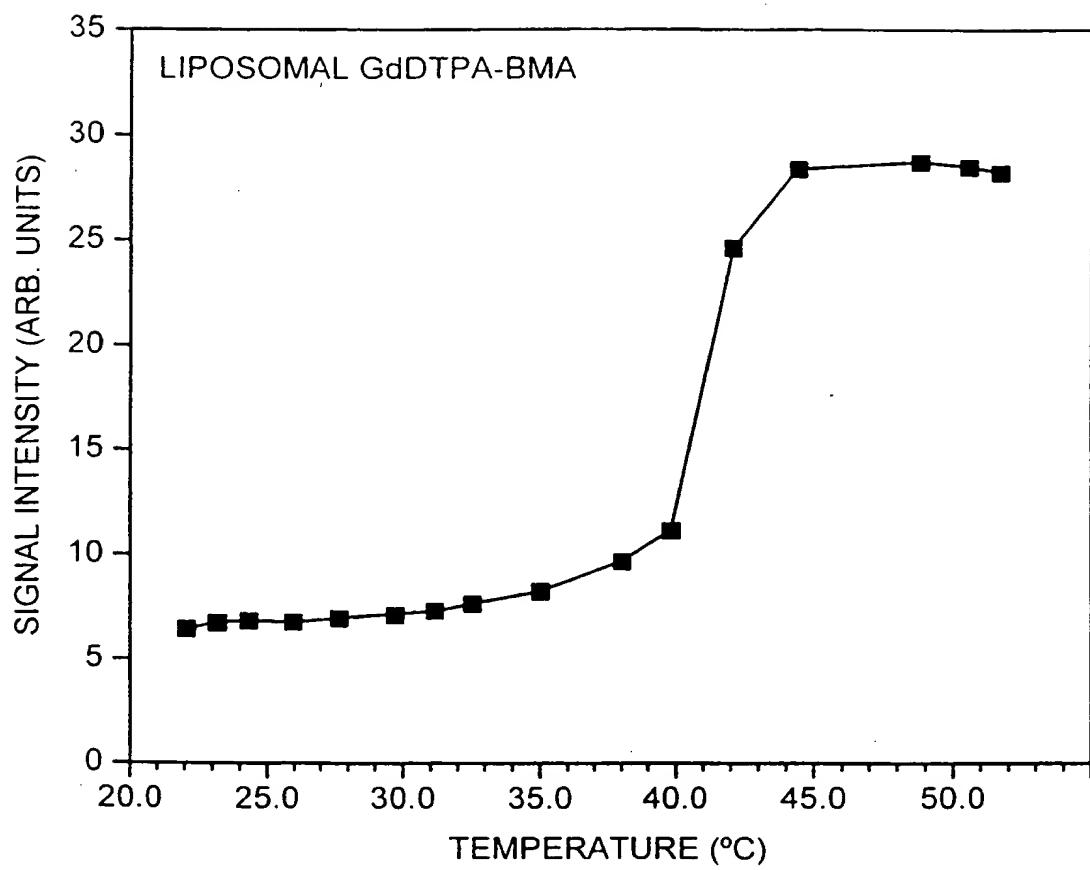
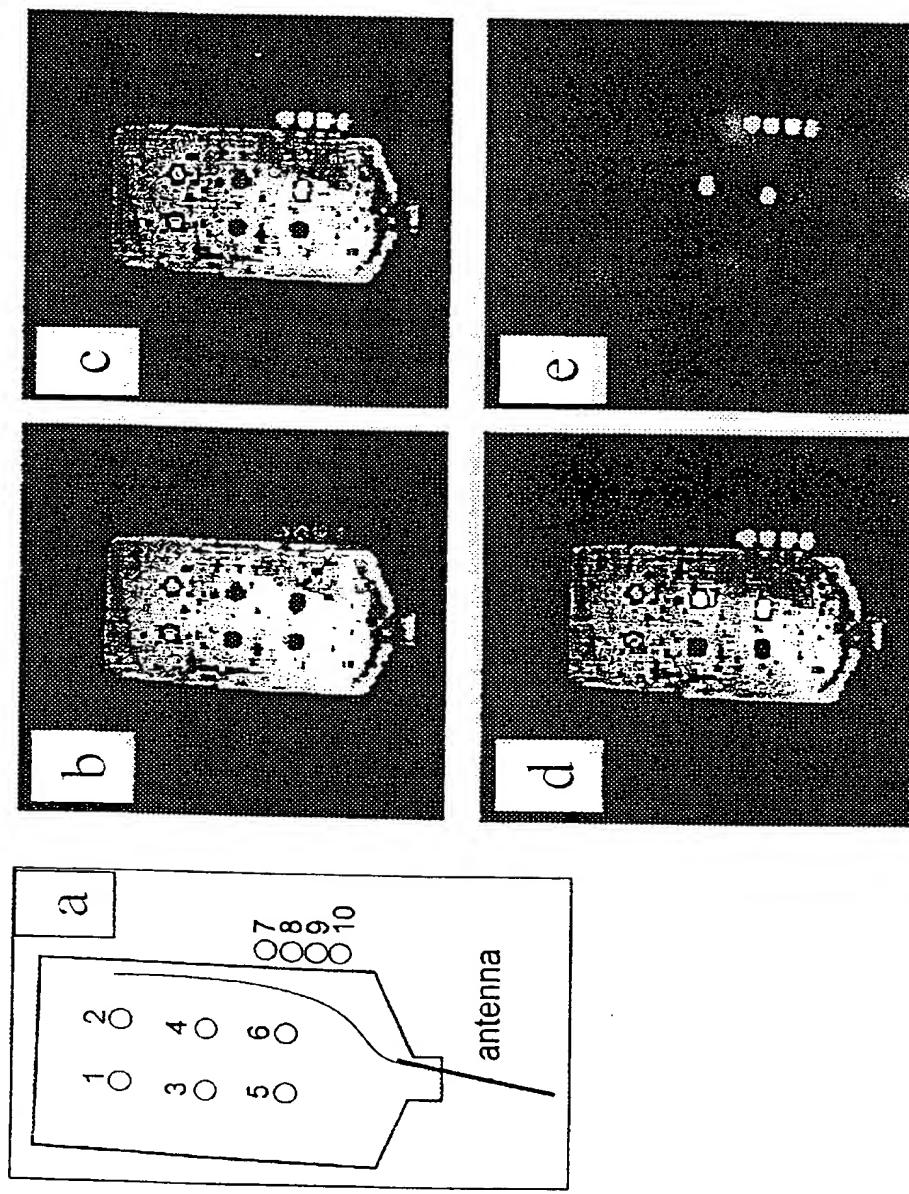


FIG. 1

TEMPERATURE RESPONSE OF IN VITRO  $r_1$  FOR GdDTPA-BMA  
ENCAPSULATED IN DPPC/DPPG LIPOSOMES (0.47T)

**FIG. 2**

TEMPERATURE RESPONSE OF MR SIGNAL INTENSITY FOR GdDTPA-BMA  
ENCAPSULATED WITHIN DPPC/DPPG LIPOSOMES (2.0 T).



**Figure 3.** Gel phantom (a) containing inserts of DPPC/DPPG-based Gd-DTPA-BMA liposomes (labelled 3-10) and control glucose 5% solution (labelled 1-2);  $T_1$ -w GRE images (2.0 T) of phantom prior to (b), after (c) 47 and (d) 63 minutes of radiofrequency heating, inhomogeneous signal intensity in gel is due to air bubbles; (e) difference image after subtraction of (b) from (d). Note that the signal intensity from inserts 3 and 5 is almost unchanged after heating as the temperature never exceeded  $T_c$ .

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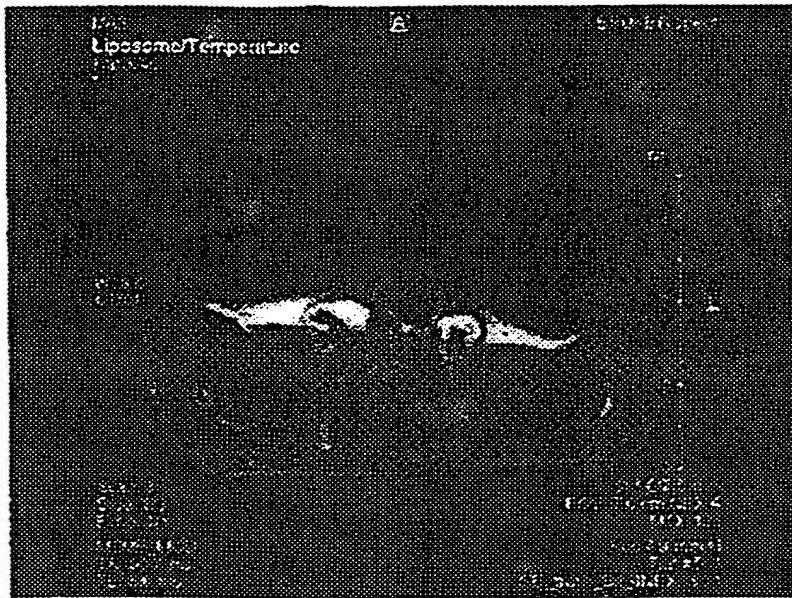


FIG.4

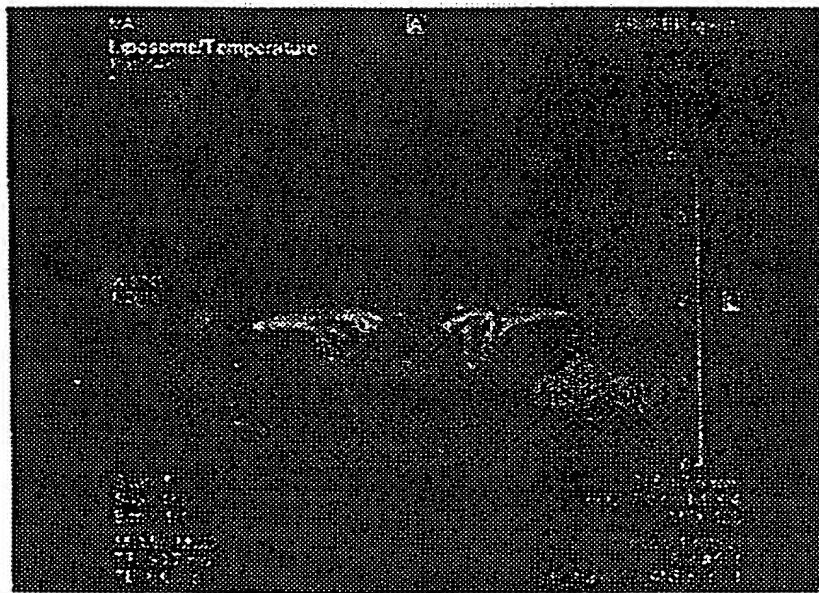


FIG.5

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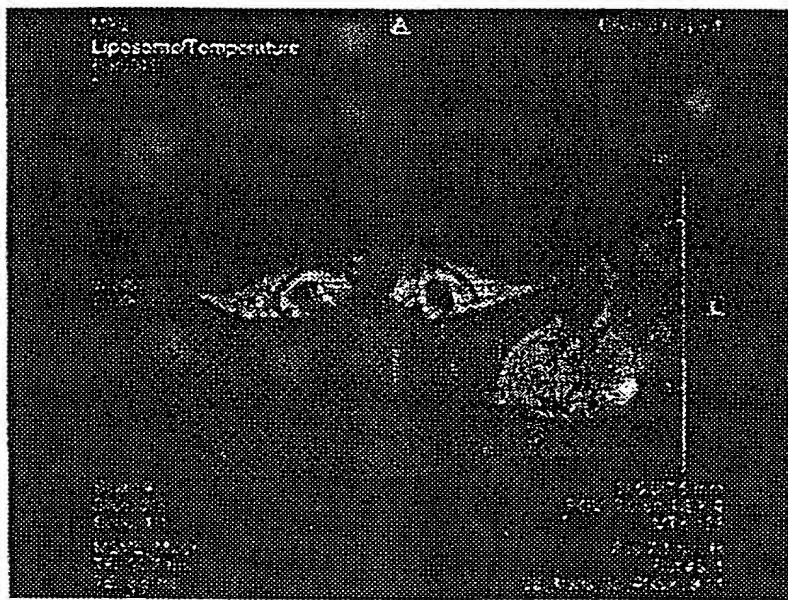


FIG.6

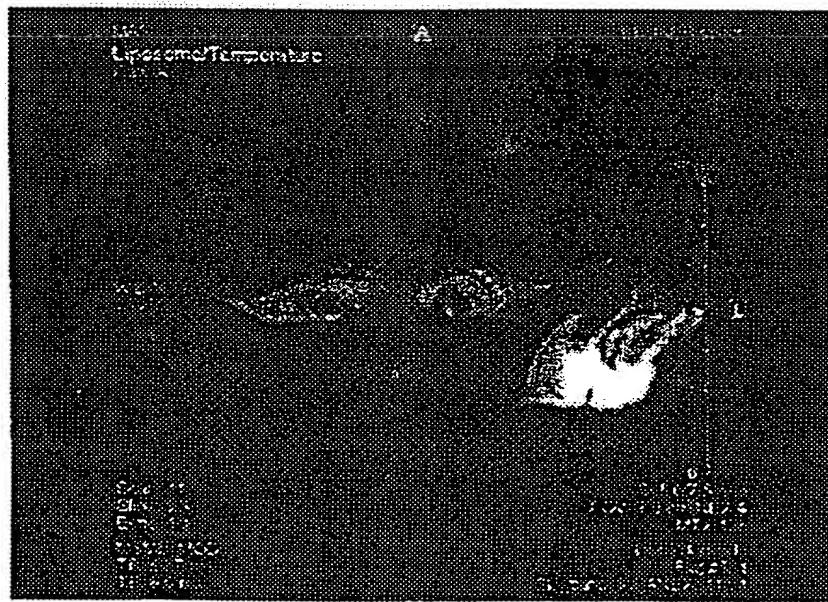


FIG.7

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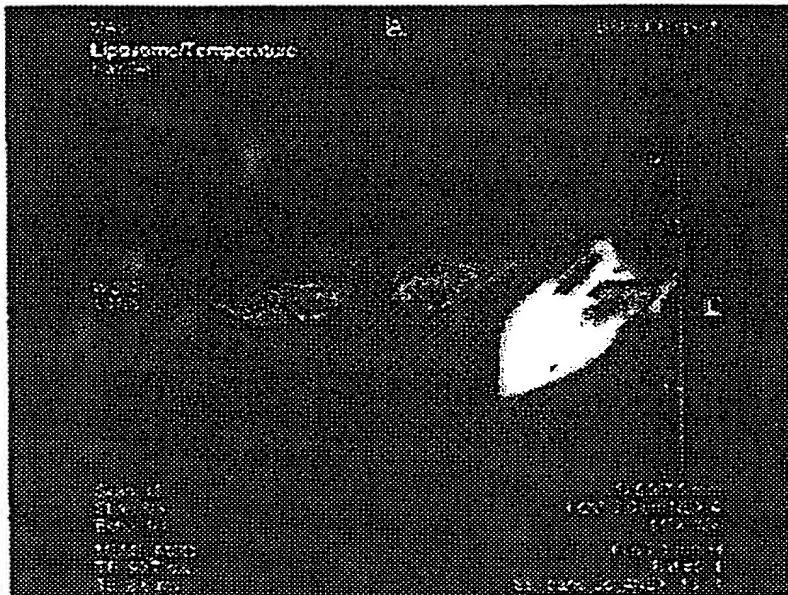


FIG.8

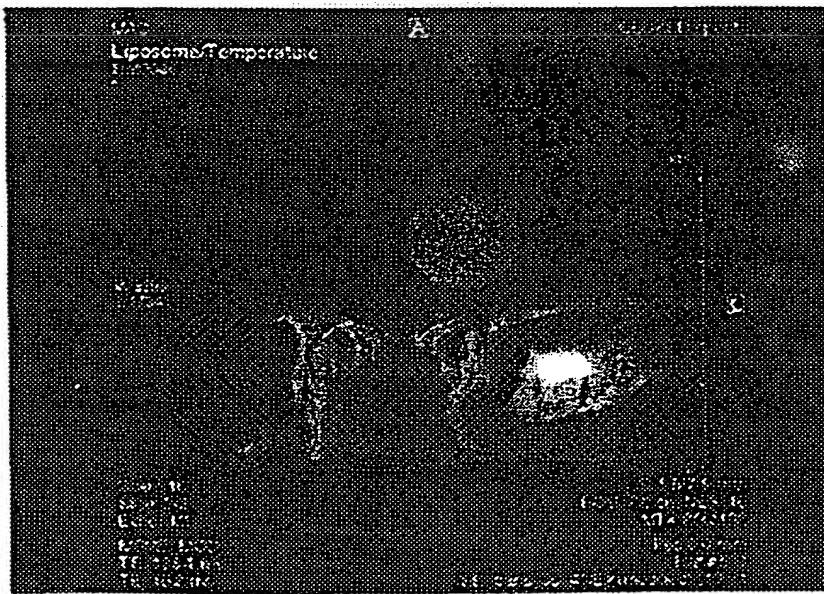


FIG.9

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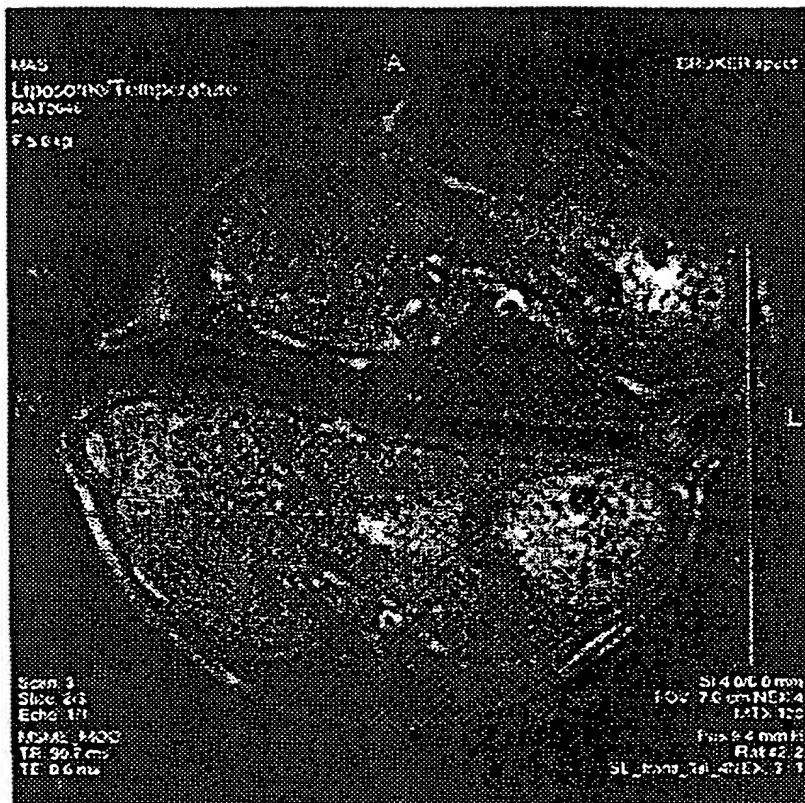


FIG.10

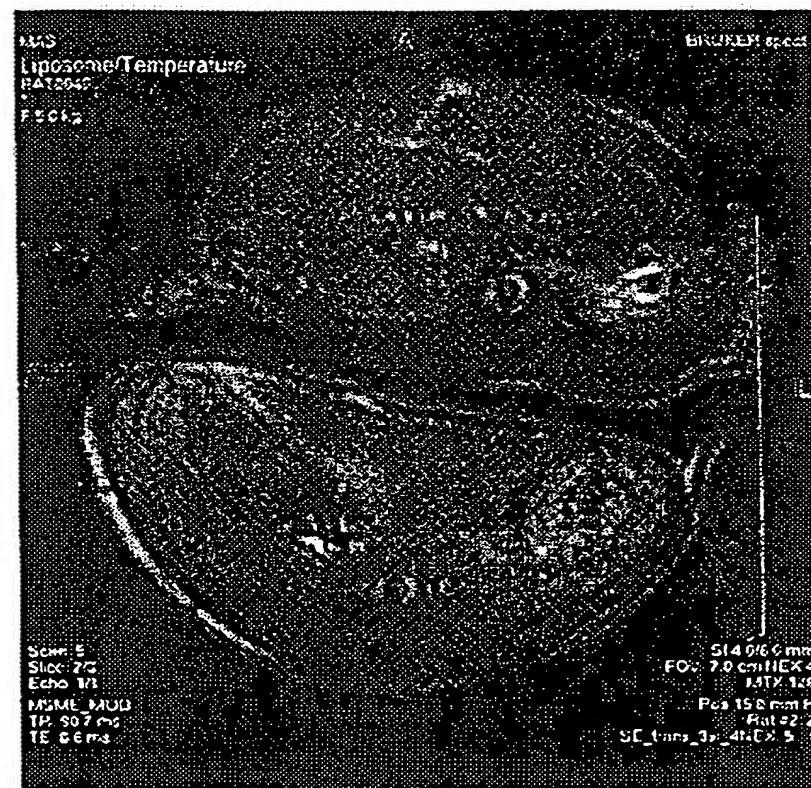


FIG.11

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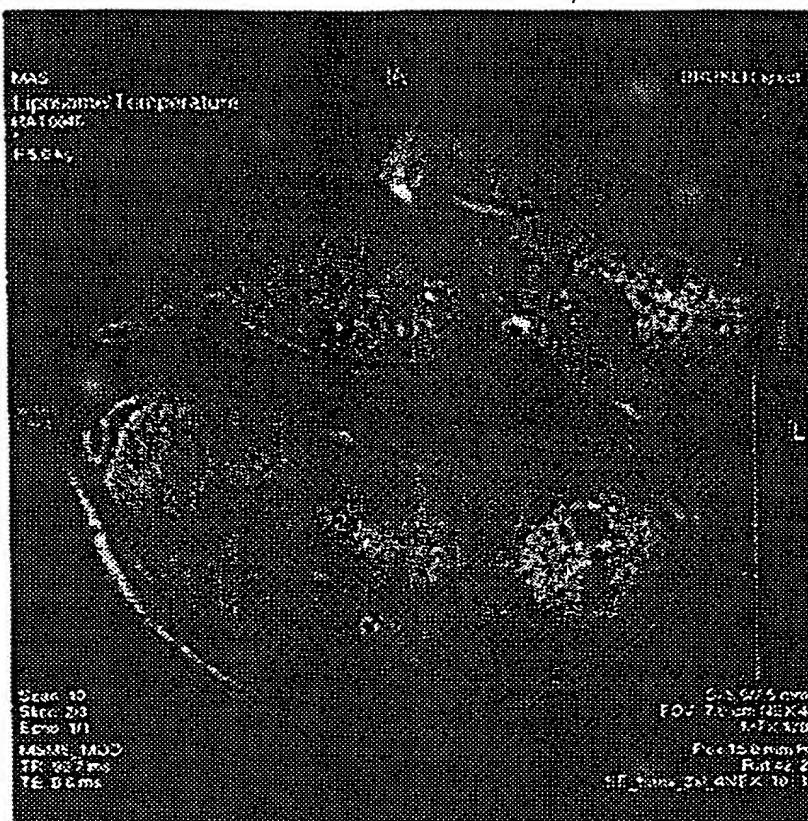


FIG.12

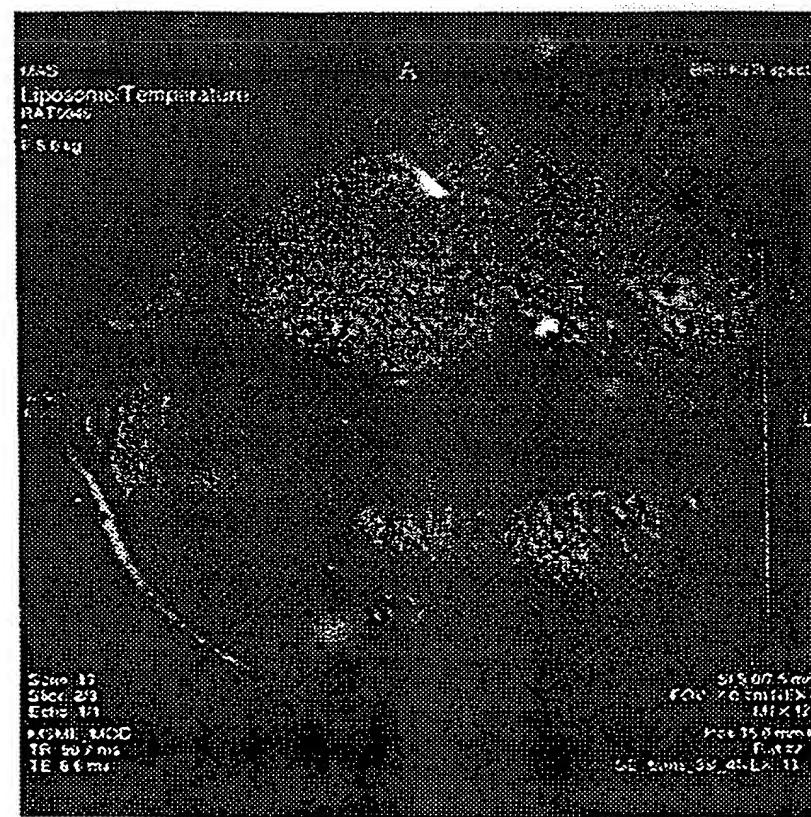
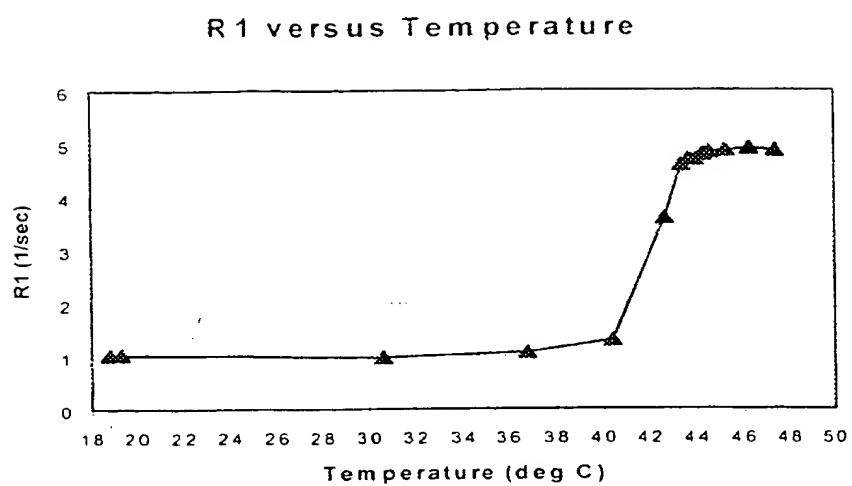
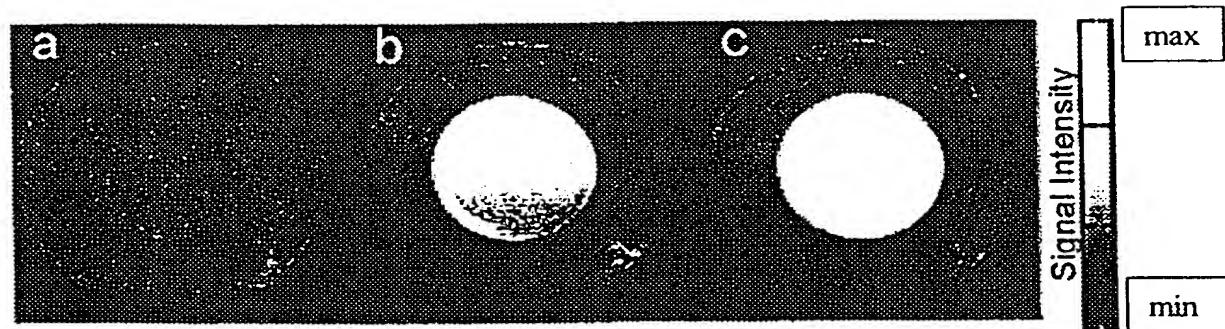


FIG.13



**Figure 14**



**Figure 15**

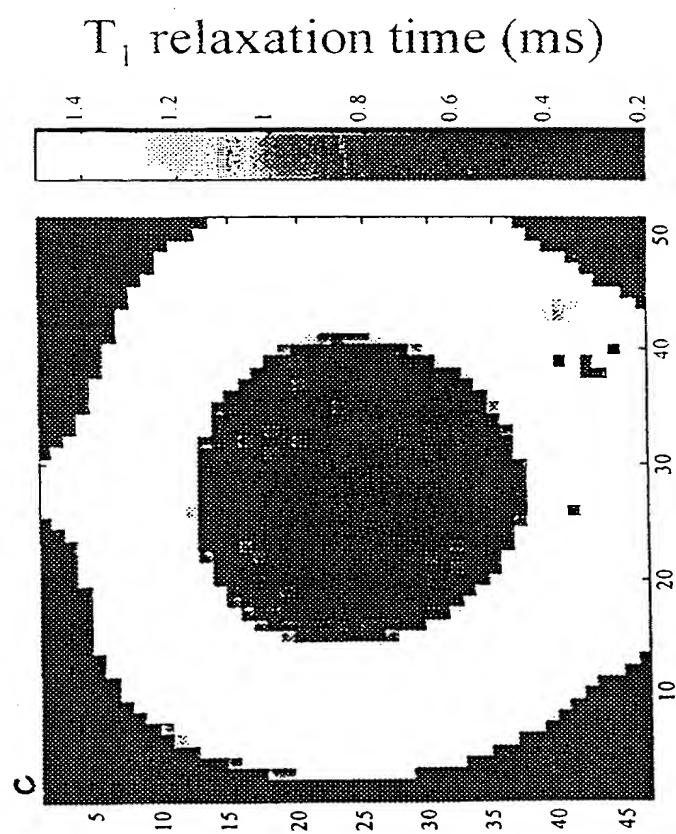
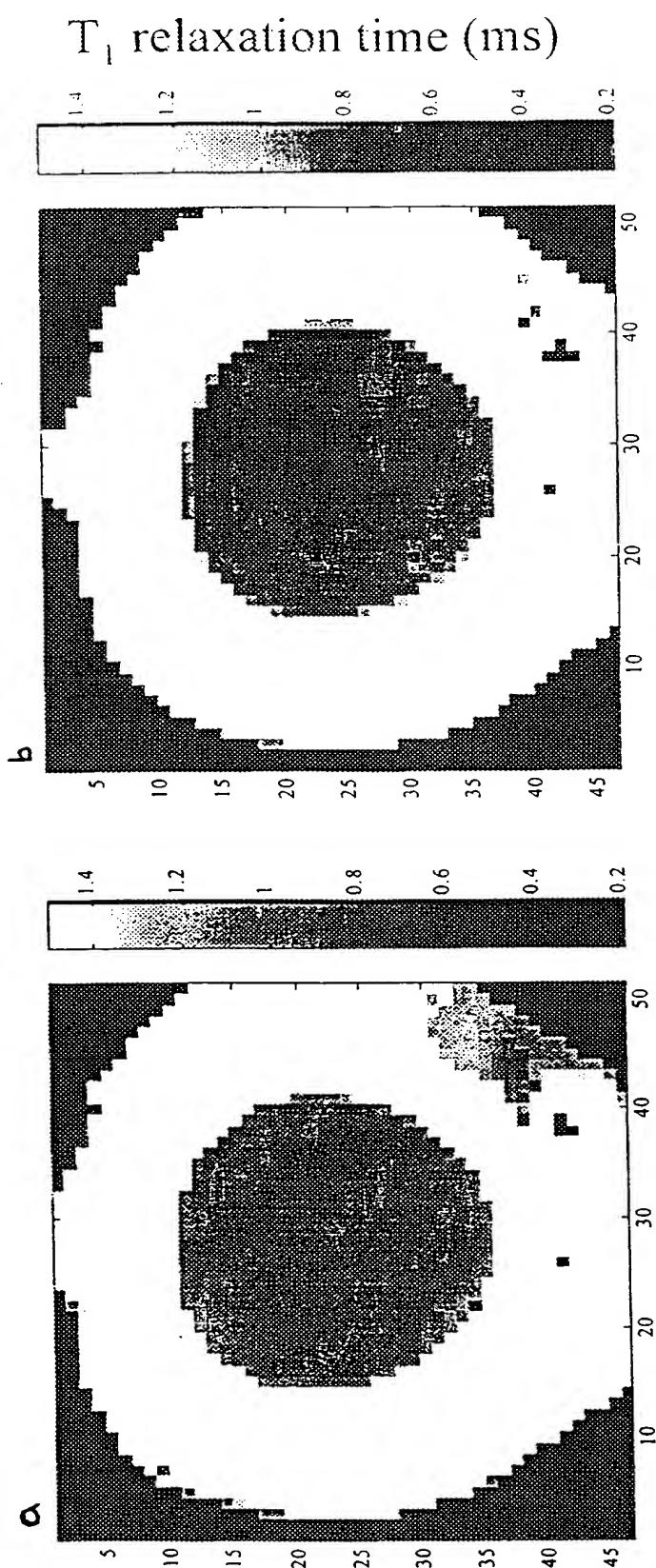


Figure 16

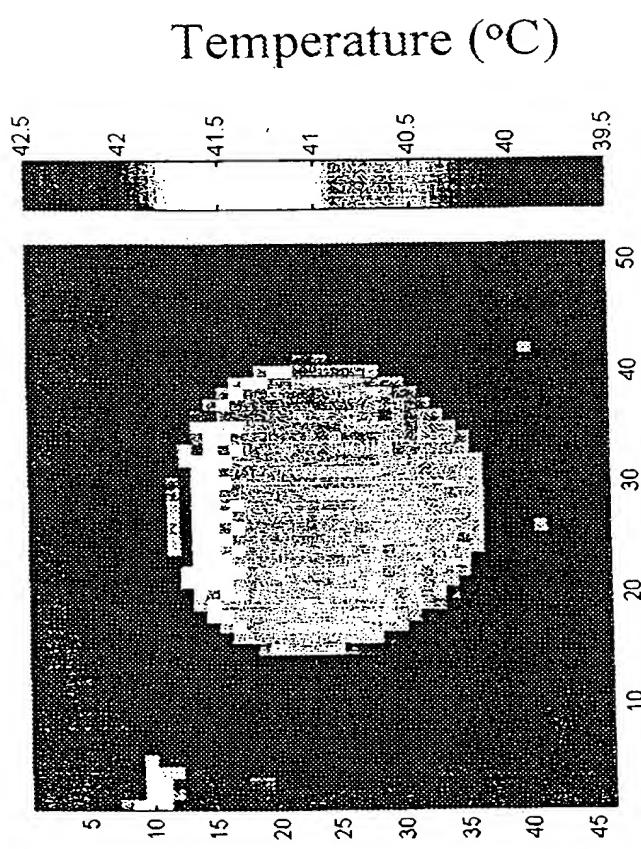


Figure 17

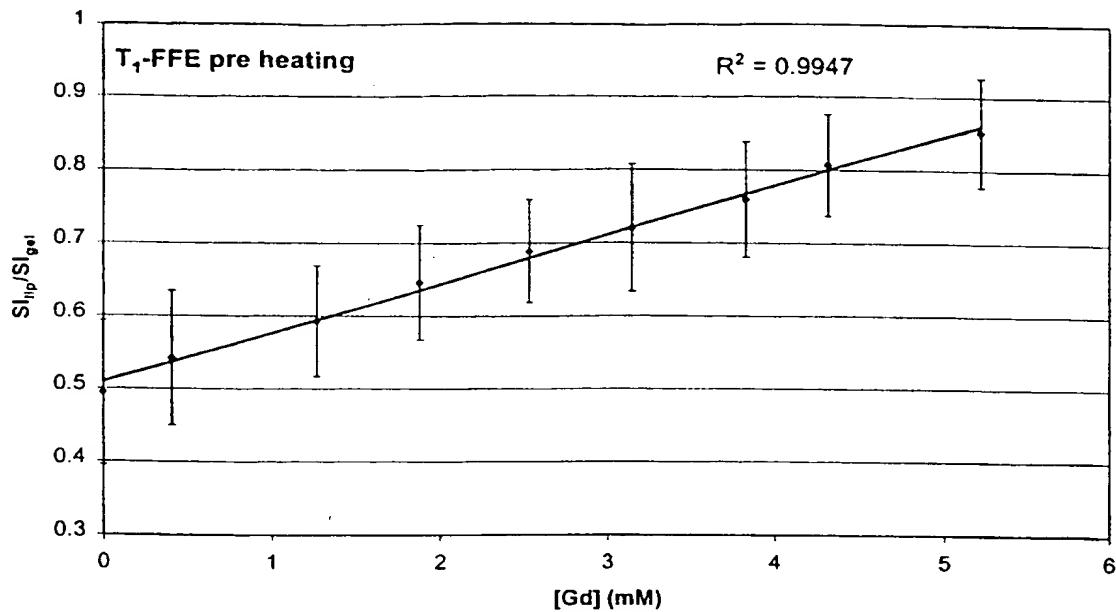


Figure 18

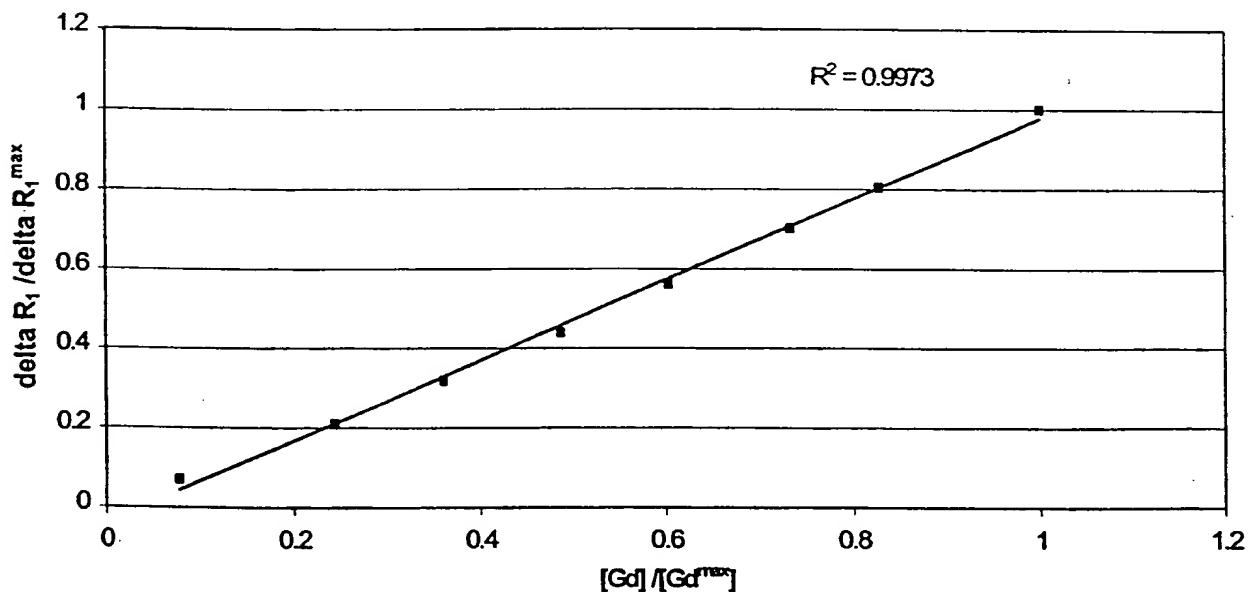


Figure 19

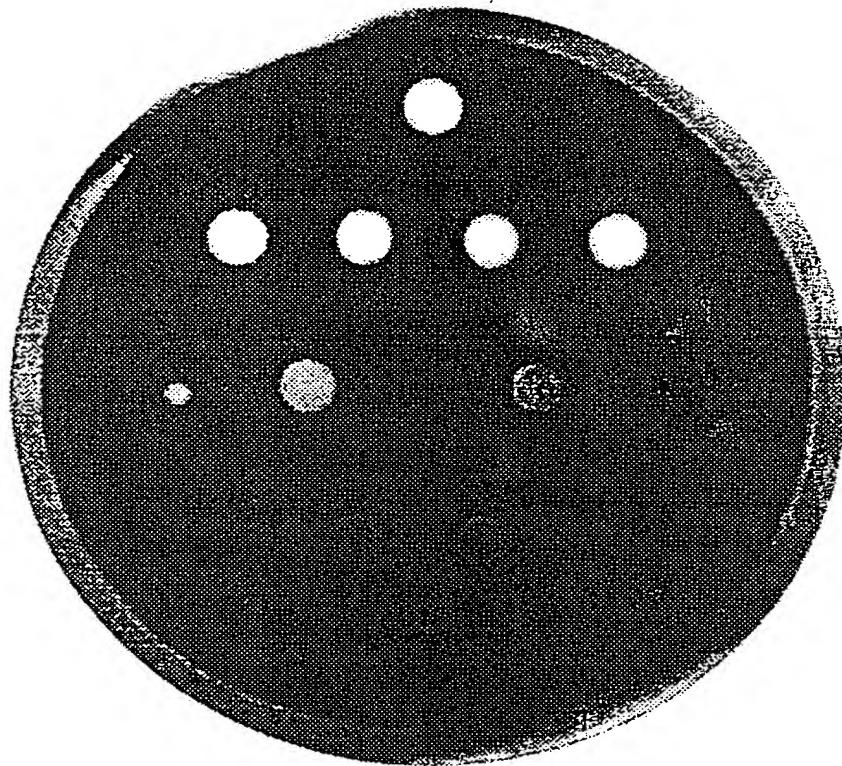


Figure 20